

## SEQUENCE LISTING

<110> Srinivasula, Srinivasa M.  
Fernandes-Alnemri, Teresa  
Alnemri, Emad S.

<120> A CONSERVED XIAP-INTERACTION MOTIF IN  
CASPASE-9 AND SMAC/DIABLO FOR MEDIATING APOPTOSIS

<130> 480140.475

<140> US

<141> 2002-02-06

<160> 28

<170> FastSEQ for Windows Version 4.0

<210> 1

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<212> PRT

<213> Homo sapiens

<400> 1

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Val	Glu	Glu	Leu	Gln	Val	Asp	Gln	Leu	Trp	Asp	Ala	Leu	Leu	Ser	Arg	20	25	30	
Glu	Leu	Phe	Arg	Pro	His	Met	Ile	Glu	Asp	Ile	Gln	Arg	Ala	Gly	Ser	35	40	45	
Gly	Ser	Arg	Arg	Asp	Gln	Ala	Arg	Gln	Leu	Ile	Ile	Asp	Leu	Glu	Thr	50	55	60	
Arg	Gly	Ser	Gln	Ala	Leu	Pro	Leu	Phe	Ile	Ser	Cys	Leu	Glu	Asp	Thr	65	70	75	80
Gly	Gln	Asp	Met	Leu	Ala	Ser	Phe	Leu	Arg	Thr	Asn	Arg	Gln	Ala	Ala	85	90	95	
Lys	Leu	Ser	Lys	Pro	Thr	Leu	Glu	Asn	Leu	Thr	Pro	Val	Val	Leu	Arg	100	105	110	
Pro	Glu	Ile	Arg	Lys	Pro	Glu	Val	Leu	Arg	Pro	Glu	Thr	Pro	Arg	Pro	115	120	125	
Val	Asp	Ile	Gly	Ser	Gly	Gly	Phe	Gly	Asp	Val	Gly	Ala	Leu	Glu	Ser	130	135	140	
Leu	Arg	Gly	Asn	Ala	Asp	Leu	Ala	Tyr	Ile	Leu	Ser	Met	Glu	Pro	Cys	145	150	155	160
Gly	His	Cys	Leu	Ile	Ile	Asn	Asn	Val	Asn	Phe	Cys	Arg	Glu	Ser	Gly	165	170	175	
Leu	Arg	Thr	Arg	Thr	Gly	Ser	Asn	Ile	Asp	Cys	Glu	Lys	Leu	Arg	Arg	180	185	190	
Arg	Phe	Ser	Ser	Leu	His	Phe	Met	Val	Glu	Val	Lys	Gly	Asp	Leu	Thr	195	200	205	

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Ala Lys Lys Met Val Leu Ala Leu Leu Glu Leu Ala Gln Gln Asp His  
 210 215 220  
 Gly Ala Leu Asp Cys Cys Val Val Val Ile Leu Ser His Gly Cys Gln  
 225 230 235 240  
 Ala Ser His Leu Gln Phe Pro Gly Ala Val Tyr Gly Thr Asp Gly Cys  
 245 250 255  
 Pro Val Ser Val Glu Lys Ile Val Asn Ile Phe Asn Gly Thr Ser Cys  
 260 265 270  
 Pro Ser Leu Gly Gly Lys Pro Lys Leu Phe Phe Ile Gln Ala Cys Gly  
 275 280 285  
 Gly Glu Gln Lys Asp His Gly Phe Glu Val Ala Ser Thr Ser Pro Glu  
 290 295 300  
 Asp Glu Ser Pro Gly Ser Asn Pro Glu Pro Asp Ala Thr Pro Phe Gln  
 305 310 315 320  
 Glu Gly Leu Arg Thr Phe Asp Gln Leu Asp Ala Ile Ser Ser Leu Pro  
 325 330 335  
 Thr Pro Ser Asp Ile Phe Val Ser Tyr Ser Thr Phe Pro Gly Phe Val  
 340 345 350  
 Ser Trp Arg Asp Pro Lys Ser Gly Ser Trp Tyr Val Glu Thr Leu Asp  
 355 360 365  
 Asp Ile Phe Glu Gln Trp Ala His Ser Glu Asp Leu Gln Ser Leu Leu  
 370 375 380  
 Leu Arg Val Ala Asn Ala Val Ser Val Lys Gly Ile Tyr Lys Gln Met  
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 405 410 415

<210> 2  
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 <212> PRT  
 <213> Drosophila sp.

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 1 5 10 15

<210> 3  
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Ala Val Pro Phe Tyr Leu Pro Glu Gly Gly Ala Asp Asp Val Ala  
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 <212> PRT  
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<210> 8  
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 <212> PRT  
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<210> 9  
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 <212> PRT  
 <213> Homo sapeins

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<220>  
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<210> 15  
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<210> 16  
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 atcgaggaca tccagcgggc aggtctctga tctcggcggg atcaggccag gcagctgac 180  
 atagatctgg agactcgagg gagtcaggct cttcctttgt tcatctcctg cttagaggac 240  
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 aagccaaccc tagaaaacct taccacagtg gtgctcagac cagagattcg caaaccagag 360  
 gttctcagac cggaaacacc cagaccagtg gacattgggt ctggaggatt tggatgatgc 420  
 ggtgctcttg agagtttgag gggaaatgca gatttggctt acatcctgag catggagccc 480  
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ctctgccagt gacagacagg ctcttagcag cttccagatt gacgacaagt gctgaacagt 1440  
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<400> 18  
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 <212> PRT  
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<400> 19  
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<400> 20  
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 1 5

<210> 21  
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<212> PRT  
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<400> 21  
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<400> 24  
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<210> 25  
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<400> 25  
 Ala Thr Pro Phe Gln  
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<210> 26  
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 <213> Drosophila sp.

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<400> 26  
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Ala Ile Ala Tyr Phe  
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<400> 28  
Ala Thr Pro Phe  
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